IN THE ABSTRACT:

Amend the Abstract as follows:

~~If a plurality of operating systems are running in one computer and each of those operating systems has its own managed time, which is different from others, then trace log information items collected by those operating systems and merged in order of their generated times may not be as they are generated actually.~~ In order to avoid inaccurate recording of trace data in a computer with a plurality of operating systems that are replaced alternately and operated in a time-sharing manner, with all of said plurality of operating systems booted up at the same time, ~~such a problem, therefore, the present invention provides an operating system management system with~~ an operating system management system with recording means for storing a check point trace in the operation trace information of each of those operating systems, thereby finding the correspondence among those check point traces by searching the operation trace information item of each operating system, then adding such additional information as a time difference, a counter value, etc. to the operation trace information[[. Thus]], permitting, even when each operating system has its own different managed time, ~~different from others, it is possible to manage~~ managing the sequence of events recorded in those operating systems correctly, thereby finding the sequence in which the trace information items of those operating systems are actually generated.